

Title (en)

SECURITY CAPABILITY NEGOTIATION METHOD, SYSTEM, AND EQUIPMENT

Title (de)

SICHERHEITSFÄHIGKEITSVERHANDLUNGSVERFAHREN, SYSTEM UND VORRICHTUNG

Title (fr)

PROCÉDÉ, SYSTÈME ET ÉQUIPEMENT DE NÉGOCIATION DE CAPACITÉ DE SÉCURITÉ

Publication

**EP 2966889 B1 20190306 (EN)**

Application

**EP 15178977 A 20080505**

Priority

- CN 200710074333 A 20070508
- EP 08734236 A 20080505
- CN 2008070880 W 20080505

Abstract (en)

[origin: EP2117248A1] A security capability negotiation method is applicable to perform security capability negotiation during a mobile network handover. The method includes the following processes: a second network receives a handover request sent by a first network; an access network entity of the second network selects a corresponding security capability, or an access network entity and a core network (CN) entity of the second network respectively select a corresponding security capability; the second network sends the selected security capability to a user equipment (UE) via the first network. Moreover, a security capability negotiation system is also provided. Therefore, in the present invention, it is unnecessary for the MME to know the security capability of the corresponding eNB in a certain manner during a handover from a 2G/3G network to an LTE network. Meanwhile, during the handover from the LTE network to the 3G network, the SGSN does not need to introduce new requirements.

IPC 8 full level

**H04L 29/06** (2006.01); **H04W 12/02** (2009.01); **H04W 12/30** (2021.01); **H04W 36/00** (2009.01); **H04W 36/14** (2009.01)

CPC (source: EP US)

**H04L 63/205** (2013.01 - EP US); **H04W 12/037** (2021.01 - EP US); **H04W 12/10** (2013.01 - EP US); **H04W 36/0038** (2013.01 - EP US); **H04W 36/1443** (2023.05 - EP US)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)

**EP 2117248 A1 20091111**; **EP 2117248 A4 20100811**; **EP 2117248 B1 20150916**; CN 101304600 A 20081112; CN 101304600 B 20111207; EP 2966889 A1 20160113; EP 2966889 B1 20190306; EP 3554112 A1 20191016; EP 3554112 B1 20220302; ES 2554808 T3 20151223; JP 2010521905 A 20100624; JP 5010690 B2 20120829; US 10383017 B2 20190813; US 10958692 B2 20210323; US 2009275309 A1 20091105; US 2016150449 A1 20160526; US 2018070275 A1 20180308; US 2020068467 A1 20200227; US 8774759 B2 20140708; US 9668182 B2 20170530; WO 2008134986 A1 20081113

DOCDB simple family (application)

**EP 08734236 A 20080505**; CN 200710074333 A 20070508; CN 2008070880 W 20080505; EP 15178977 A 20080505; EP 19155180 A 20080505; ES 08734236 T 20080505; JP 2009553896 A 20080505; US 201414298341 A 20140606; US 201715495607 A 20170424; US 201916538492 A 20190812; US 50394209 A 20090716